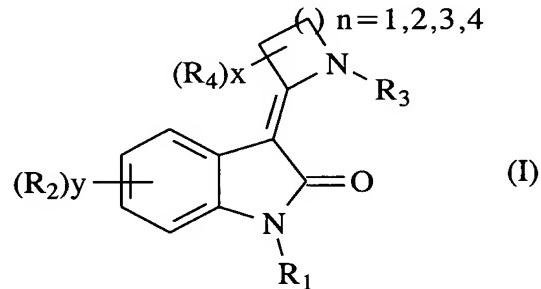


WHAT IS CLAIMED IS:

1. A topically applicable cosmetic/dermatological sunscreen composition suited for the UV-photoprotection of the skin and/or hair, comprising (a) an effective UV-screening amount of at least one dibenzoylmethane compound and (b) an effective UV-photostabilizing amount of at least one 3-(2-azacycloalkylidene)-1,3-dihydroindol-2-one compound, formulated into (c) a topically applicable, cosmetically/dermatologically acceptable carrier therefor.
- 10 2. The cosmetic/dermatological composition as defined by Claim 1, said at least one 3-(2-azacycloalkylidene)-1,3-dihydroindol-2-one compound having the following structural formula (I):



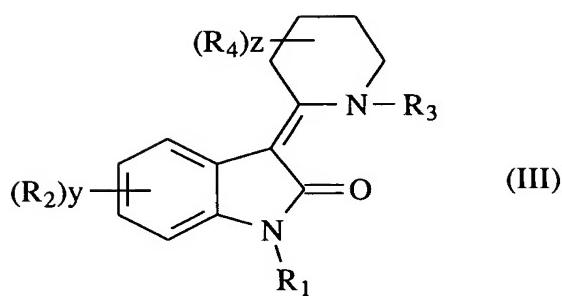
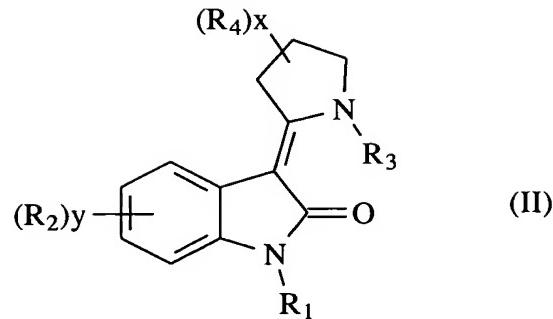
- 15 in which R₁ and R₃, which may be identical or different, are each a hydrogen atom, a saturated or unsaturated, linear or branched, C₁-C₂₂ alkyl radical optionally substituted with one or more groups A₁, a saturated or unsaturated, 4-to 7-atom ring member optionally containing at least one heteroatom selected from among N, O and S, optionally fused with another ring, optionally substituted with one or more groups A₁, with the proviso that these rings may contain one or more carbonyl or thiocarbonyl functional groups, one of the groups C(=NR₅)R'₅, C(=NR₅)NR'₅R''₅, COR₅, CSR₅, COOR₅, CONR₅R'₅, CSNR₅R'₅, SO₂R₅, and SO₂NR₅R'₅ wherein R₅, R'₅ and R''₅, which may be identical or different, are each
- 20

hydrogen, a linear or branched C₁-C₂₂ alkyl radical or a 4- to 7-atom ring member
optionally containing at least one heteroatom selected from among N, O, S,
optionally fused with another ring, with the proviso that these rings may contain
one or more carbonyl or thiocarbonyl functional groups, the alkyl radical of said
5 rings being saturated or unsaturated and optionally substituted with at least one
substituent A₂; R₂ and R₄, which may be identical or different, are each a
hydrogen atom, a saturated or unsaturated, linear or branched C₁-C₂₂ alkyl radical
optionally substituted with one or more groups A₁, a saturated or unsaturated, 4-
to 7-atom ring member optionally containing at least one heteroatom selected from
10 among N, O and S, optionally substituted with one or more groups A₁, optionally
fused with another ring or with another 3-(2-azacycloalkylidene)-1,3-dihydroindol-
2-one compound, with the proviso that these rings may contain one or more
carbonyl or thiocarbonyl functional groups, optionally positively charged, a
halogen, one of the groups CF₃, CN, OR₅, SR₅, NR₅R'₅, C(=NR₅)R'₅,
15 C(=NR₅)NR'₅R''₅, NR₅C(=NR'₅)NR''₅R'''₅, COR₅, CSR₅, COOR₅, CONR₅R'₅,
NR₅COR'₅, NR₅CONR'₅R''₅, CSNR₅R'₅, SO₂NR₅R'₅, NR₅SO₂R'₅, SO₂R₅, and
NR₅R'₅R''₅R'''₅⁺ wherein R₅, R'₅, R''₅ and R'''₅, which may be identical or
different, are each hydrogen, a linear or branched C₁-C₂₂ alkyl radical or a 4- to 7-
atom ring member which may contain at least one heteroatom selected from
20 among N, O, S, optionally fused with another ring, with the proviso that these
rings may contain one or more carbonyl or thiocarbonyl functional groups, the
alkyl radical or the said rings being saturated or unsaturated and optionally
substituted with at least one substituent A₂; A₁ is a halogen, a saturated or
unsaturated, linear or branched C₁-C₂₂ alkyl radical, optionally substituted with
25 one or more groups A₂, one of the groups CF₃, CN, OR₅, SR₅, NR₅R'₅,
C(=NR₅)R'₅, C(=NR₅)NR'₅R''₅, NR₅C(=NR'₅)NR''₅R'''₅, COR₅, CSR₅, COOR₅,
CONR₅R'₅, NR₅COR'₅, NR₅CONR'₅R''₅, CSNR₅R'₅, SO₂NR₅R'₅, NR₅SO₂R'₅,
SO₂R₅, SiR₅R'₅R''₅, SiR₅(OSiR'₅R''₅R'''₅)OSiR'₅R''₅R'''₅, and NR₅R'₅R''₅R'''₅ +
wherein R₅, R'₅, R''₅ and R'''₅, which may be identical or different, are each

hydrogen, a linear or branched C₁-C₂₂ alkyl radical or a 4- to 7-atom ring member which may contain at least one heteroatom selected from among N, O, S, optionally fused with another ring, with the proviso that these rings may contain one or more carbonyl or thiocarbonyl functional groups, the alkyl radical or said 5 rings being saturated or unsaturated and optionally substituted with at least one substituent A₂, a saturated or unsaturated 4- to 7-atom ring member optionally containing at least one heteroatom selected from among N, O and S, optionally substituted with one or more groups A₂, optionally fused with another ring or with another 3-(2-azacycloalkylidene)-1,3-dihydroindol-2-one compound, with the 10 proviso that these rings may contain one or more carbonyl or thiocarbonyl functional groups, optionally positively charged; A₂ is a halogen, a saturated or unsaturated, linear or branched C₁-C₂₂ alkyl radical, one of the groups CF₃, CN, OR, SR, NRR', C(=NR)R', C(=NR)NR'R'', NRC(=NR')NR''R''', COR, CSR, COOR, CONRR', NRCOR', NRCONR'R'', CSNRR', SO₂NRR', NRSO₂R', 15 SO₂R, SiRR'R'', SiR(OSiR'R''R''')OSiR'R''R''', and NRR'R''R''' + wherein R, R', R'' and R''', which may be identical or different, are each hydrogen or a linear or branched C₁-C₂₂ alkyl radical; y is 1, 2, 3 or 4; and x ranges from 1 to 2n+2, formulated into (b) a topically applicable, cosmetically/dermatologically acceptable carrier therefor.

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3. The cosmetic/dermatological composition as defined by Claim 2, said at least one 3-(2-azacycloalkylidene)-1,3-dihydroindol-2-one compound having one of the following formulae (II) or (III):



in which R₁ and R₃, which may be identical or different, are each hydrogen, a saturated or unsaturated, linear or branched C₁-C₈ alkyl radical, a phenyl radical, or a radical COR₅ or SO₂R₅ wherein R₅ is a saturated or unsaturated, linear or branched C₁-C₈ alkyl radical, or a phenyl radical; R₂ is hydrogen, a saturated or unsaturated, linear or branched C₁-C₈ alkyl radical, a phenyl radical, one of the radicals OR₅, NR₅'s, NR₅COR'₅, COOR₅ and CONR₅R'₅ wherein R₅ and R'₅, which may be identical or different, are each hydrogen, a saturated or unsaturated, linear or branched C₁-C₈ alkyl radical, a phenyl radical, or the radical CF₃; R₄ is hydrogen, a saturated or unsaturated, linear or branched C₁-C₈ alkyl radical, a phenyl radical or a radical OR₅ wherein R₅ is hydrogen, a saturated or unsaturated, linear or branched C₁-C₈ alkyl radical, or a phenyl radical; and x, y and z are each 1, 2, 3 or 4.

4. The cosmetic/dermatological composition as defined by Claim 3,
comprising at least one compound of formula (II), wherein: R₂ is hydrogen, OR₅,
NR₅COR'₅ or NR₅R'₅ wherein R₅ and R'₅, which may be identical or different, are
each hydrogen, a saturated or unsaturated, linear or branched C₁-C₈ alkyl radical,
or a phenyl radical; R₄ is hydrogen; and R₁ and R₃, which may be identical or
different, are each hydrogen, a saturated or unsaturated, linear or branched C₁-C₈
alkyl radical, or a phenyl radical.
5. The cosmetic/dermatological composition as defined by Claim 3,
comprising at least one compound of formula (II) selected from the group
consisting of 1-ethyl-3-(1-methylpyrrolidin-2-ylidene)-1,3-dihydroindol-2-one
1-ethyl-3-pyrrolidin-2-ylidene-1,3-dihydroindol-2-one and pyrrolidine-2-ylidene-
1,3-dihydroindol-2-one.
- 10 6. The cosmetic/dermatological composition as defined by Claim 1, said at
least one 3-(2-azacycloalkylidene)-1,3-dihydroindol-2-one compound comprising
from 0.01% to 20% by weight thereof.
- 15 7. The cosmetic/dermatological composition as defined by Claim 1, said at
least one 3-(2-azacycloalkylidene)-1,3-dihydroindol-2-one compound comprising
from 0.1% to 10% by weight thereof.
- 20 8. The cosmetic/dermatological composition as defined by Claim 1, said at
least dibenzoylmethane compound being selected from the group consisting of:
25 2-methyldibenzoylmethane,
4-methyldibenzoylmethane,
4-isopropyldibenzoylmethane,
4-tert-butyldibenzoylmethane,
2,4-dimethyldibenzoylmethane,

- 2,5-dimethylbibenzoylmethane,
4,4'-diisopropyldibenzoylmethane,
4,4'-dimethoxydibenzoylmethane,
4-tert-butyl-4'-methoxydibenzoylmethane,
5 2-methyl-5-isopropyl-4'-methoxydibenzoylmethane,
2-methyl-5-tert-butyl-4'-methoxydibenzoylmethane,
2,4-dimethyl-4'-methoxydibenzoylmethane,
2,6-dimethyl-4-tert-butyl-4'-methoxydibenzoylmethane, and mixtures thereof.
- 10 9. The cosmetic/dermatological composition as defined by Claim 8, said at least dibenzoylmethane compound comprising 4-tert-butyl-4'-methoxydibenzoylmethane.
- 15 10. The cosmetic/dermatological composition as defined by Claim 8, said at least dibenzoylmethane compound comprising 4-isopropyldibenzoylmethane.
11. The cosmetic/dermatological composition as defined by Claim 1, said at least dibenzoylmethane compound comprising from 0.01% to 20% by weight thereof.
- 20 12. The cosmetic/dermatological composition as defined by Claim 1, said at least dibenzoylmethane compound comprising from 0.1% to 10% by weight thereof.
- 25 13. The cosmetic/dermatological composition as defined by Claim 1, formulated as an oil-in-water or water-in-oil emulsion.

14. The cosmetic/dermatological composition as defined by Claim 1, further comprising at least one additional organic and/or inorganic UV-A and/or UV-B sunscreen.

5 15. The cosmetic/dermatological composition as defined by Claim 14, comprising at least one additional organic sunscreen selected from the group consisting of anthranilates; cinnamic derivatives; dibenzoylmethane derivatives; salicylic derivatives, camphor derivatives; triazine derivatives; benzophenone derivatives; β,β -diphenyl acrylate derivatives; benzotriazole derivatives; 10 benzalmalonate derivatives; benzimidazole derivatives; imidazolines; bis-benzoazolyl derivatives; p-aminobenzoic acid (PABA) derivatives; methylenebis(hydroxyphenylbenzotriazole) derivatives; benzoxazole derivatives ; screening polymers and screening silicones; dimers derived from α -alkylstyrene; 15 4,4-diarylbuthadiene derivatives, and mixtures thereof.

15 16. The cosmetic/dermatological composition as defined by Claim 15, said at least one additional organic sunscreen being selected from the group consisting of:
Ethylhexyl Salicylate,
Ethylhexyl Methoxycinnamate, Octocrylene,
20 Phenylbenzimidazole Sulphonic Acid,
Benzophenone-3,
Benzophenone-4,
Benzophenone-5,
n-Hexyl 2-(4-diethylamino-2-hydroxybenzoyl)benzoate,
25 4-Methylbenzylidene camphor,
Terephthalylidene dicamphor sulfonic acid,
Disodium Phenyl Dibenzimidazole Tetra-sulphonate,
2,4,6-Tris(diisobutyl 4'-aminobenzalmalonate)-s-triazine,
Anisotriazine,

- Ethylhexyl triazole,
Diethylhexyl Butamido Triazole,
Methylene bis-Benzotriazolyl Tetramethylbutylphenol,
Drometrizole Trisiloxane,
- 5 Polysilicone-15
1,1-dicarboxy(2,2'-dimethylpropyl)-4,4'-diphenylbutadiene
2,4-bis-[5-1(dimethylpropyl)benzoxazol-2-yl-(4-phenyl)-imino]-6-(2-ethylhexyl)-imino-1,3,5-triazine, and mixtures thereof.
- 10 17. The cosmetic/dermatological composition as defined by Claim 14, comprising at least one additional inorganic sunscreen pigment or nanopigment of a metal oxide, coated or uncoated.
- 15 18. The cosmetic/dermatological composition as defined by Claim 17, said at least one pigment or nanopigment comprising titanium, zinc, iron, zirconium and/or cerium oxides, and mixtures thereof, coated or uncoated.
- 20 19. The cosmetic/dermatological composition as defined by Claim 1, further comprising at least one agent for artificially bronzing and/or tanning the skin.
- 25 20. The cosmetic/dermatological composition as defined by Claim 1, further comprising at least one adjuvant selected from the group consisting of fatty substances, organic solvents, ionic or nonionic thickeners, demulcents, humectants, antioxidants, moisturizers, desquamating agents, anti-free-radical agents, antipollution agents, antibacterials, anti-inflammatory agents, depigmenting agents, propigmenting agents, opacifiers, stabilizers, emollients, silicones, anti-foaming agents, insect repellents, perfumes, preservatives, anionic, cationic, nonionic, zwitterionic or amphoteric surfactants, substance P antagonists,

substance CGRP antagonists, fillers, pigments, polymers, propellants, alkalinizing or acidifying agents, and mixtures thereof.

21. The cosmetic/dermatological composition as defined by Claim 1,
5 formulated as a nonionic vesicular dispersion, a cream, a milk, a gel, a gel cream, a suspension, a dispersion, an oil, a powder, a solid stick, a mousse or a spray.
22. The cosmetic/dermatological composition as defined by Claim 1,
formulated as a makeup.
- 10 23. The cosmetic/dermatological composition as defined by Claim 1,
formulated for protecting the hair against ultraviolet rays and in the form of a shampoo, a lotion, a gel, an emulsion or a nonionic vesicular dispersion.
- 15 24. A regime or regimen for photoprotecting the skin and/or hair against the damaging effects of UV radiation, comprising topically applying thereon an effective amount of the cosmetic/dermatological composition as defined by
Claim 1.